

SEQUENCE LISTING

<110> Korherr, Christian

<120> Medical Use of TBK-1 or of Inhibitors Thereof

<130> 50458/002001

<140> US 10/574,306

<141> 2006-04-03

<150> PCT/EP2004/010996

<151> 2004-10-01

<150> US 60/508,100

<151> 2003-10-02

<160> 10

<170> PatentIn version 3.3

<210> 1

<211> 3031

<212> DNA

<213> Homo sapiens

<400> 1

```
cctcgtgccg aattcggcac gaggcccgcc ggcggtggcg cggcggagac ccggctggta      60
taacaagagg attgcctgat ccagccaaga tgcagagcac ttctaatacat ctgtggcttt      120
tatctgatat tttaggccaa ggagctactg caaatgtctt tcgtggaaga cataagaaaa      180
ctgggtgattt atttgctatc aaagtattta ataacataag cttccttcgt ccagtggatg      240
ttcaaatagag agaatttgaa gtgttgaaaa aactcaatca caaaaatatt gtcaaattat      300
ttgctattga agaggagaca acaacaagac ataaagtact tattatggaa ttttgtccat      360
gtgggagttt atacactgtt ttagaagaac cttctaatagc ctatggacta ccagaatctg      420
aattcttaat tgttttgca gatgtggtgg gtggaatgaa tcatctacga gagaatggta      480
tagtgcaccg tgatatcaag ccaggaaata tcatgcgtgt tataggggaa gatggacagt      540
ctgtgtacaa actcacagat tttggtgcag ctagagaatt agaagatgat gagcagtttg      600
tttctctgta tggcacagaa gaatatttgc accctgatat gtatgagaga gcagtgctaa      660
gaaaagatca tcagaagaaa tatggagcaa cagttgatct ttggagcatt ggggtaacat      720
tttaccatgc agctactgga tcaactgccat ttagaccctt tgaagggcct cgtaggaata      780
aagaagtgat gtataaaata attacaggaa agccttcttg tgcaatatct ggagtacaga      840
aagcagaaaa tggaccaatt gactggagtg gagacatgcc tgtttcttgc agtctttctc      900
```

ggggtcttca ggttctactt acccctgttc ttgcaaacat ccttgaagca gatcaggaaa	960
agtgttgggg ttttgaccag ttttttgcag aaactagtga tataacttcac cgaatggtaa	1020
ttcatgtttt ttcgctacaa caaatgacag ctcataagat ttatattcat agctataata	1080
ctgctactat atttcatgaa ctggtatata aacaaaccaa aattatttct tcaaatacaag	1140
aacttatcta cgaagggcga cgcttagtct tagaacctgg aaggctggca caacatttcc	1200
ctaaaactac tgaggaaaac cctatatattg tagtaagccg ggaacctctg aataccatag	1260
gattaatata tgaaaaaatt tccctcccta aagtacatcc acgttatgat ttagacgggg	1320
atgctagcat ggctaaggca ataacagggg ttgtgtgtta tgacctcaga attgccagta	1380
ccttactgct ttatcaggaa ttaatgcaa aggggatacg atggctgatt gaattaatta	1440
aagatgatta caatgaaact gttcacaaaa agacagaagt tgtgatcaca ttggatttct	1500
gtatcagaaa cattgaaaaa actgtgaaag tatatgaaaa gttgatgaag atcaacctgg	1560
aagcggcaga gttaggtgaa atttcagaca tacacaccaa attgttgaga ctttccagtt	1620
ctcagggaac aatagaaacc agtcttcagg atatcgacag cagattatct ccaggtggat	1680
cactggcaga cgcatgggca catcaagaag gcactcatcc gaaagacaga aatgtagaaa	1740
aactacaagt cctgttaaatt tgcacgacag agatttacta tcagttcaaa aaagacaaag	1800
cagaacgtag attagcttat aatgaagaac aaatccacaa atttgataag caaaaactgt	1860
attaccatgc cacaaaagct atgacgcact ttacagatga atgtgttaaa aagtatgagg	1920
catttttgaa taagtcagaa gaatggataa gaaagatgct tcatcttagg aaacagttat	1980
tatcgctgac taatcagtgt tttgatattg aagaagaagt atcaaaatat caagaatata	2040
ctaataagtt acaagaaact ctgcctcaga aaatgtttac agcttccagt ggaatcaaac	2100
ataccatgac cccaatttat ccaagttcta acacattagt agaaatgact cttggtatga	2160
agaaattaaa ggaagagatg gaaggggtgg ttaaagaact tgctgaaaat aaccacattt	2220
tagaaagggt tggctcttta accatggatg gtggccttcg caacgttgac tgtctttagc	2280
tttctaatag aagtttaaga aaagtttccg tttgcacaag aaaataacgc ttgggcatta	2340
aatgaatgcc tttatagata gtcacttggt tctacaattc agtatttgat gtggctcgtgt	2400
aaatatgtac aatattgtaa atacataaaa aatatacaaa tttttggctg ctgtgaagat	2460
gtaattttat cttttaacat ttataattat atgaggaaat ttgacctcag tgatcacgag	2520
aagaaagcca tgaccgacca atatgttgac atactgatcc tctactctga gtggggctaa	2580
ataagttatt ttctctgacc gcctactgga aatattttta agtggaacca aaataggcat	2640

ccttacaaat caggaagact gacttgacac gtttgtaaatt ggtagaacgg tggctactgt 2700
gagtggggag cagaaccgca ccactgttat actgggataa caattttttt gagaaggata 2760
aagtggcatt attttatttt acaaggtgcc cagatcccag ttatccttgt atccatgtaa 2820
tttcagatga attattaagc aaacatttta aagtgaattc attattaataa actattcatt 2880
tttttccttt ggccataaat gtgtaattgt cattaaaatt ctaagggtcat ttcaactgtt 2940
ttaagctgta tatttcttta attctgctta ctatttcatg gaaaaaata aatttctcaa 3000
ttttaatgta aagaaaaaaa aaaaaaaaaa a 3031

<210> 2
<211> 729
<212> PRT
<213> Homo sapiens

<400> 2

Met Gln Ser Thr Ser Asn His Leu Trp Leu Leu Ser Asp Ile Leu Gly
1 5 10 15

Gln Gly Ala Thr Ala Asn Val Phe Arg Gly Arg His Lys Lys Thr Gly
20 25 30

Asp Leu Phe Ala Ile Lys Val Phe Asn Asn Ile Ser Phe Leu Arg Pro
35 40 45

Val Asp Val Gln Met Arg Glu Phe Glu Val Leu Lys Lys Leu Asn His
50 55 60

Lys Asn Ile Val Lys Leu Phe Ala Ile Glu Glu Glu Thr Thr Thr Arg
65 70 75 80

His Lys Val Leu Ile Met Glu Phe Cys Pro Cys Gly Ser Leu Tyr Thr
85 90 95

Val Leu Glu Glu Pro Ser Asn Ala Tyr Gly Leu Pro Glu Ser Glu Phe
100 105 110

Leu Ile Val Leu Arg Asp Val Val Gly Gly Met Asn His Leu Arg Glu
115 120 125

Asn Gly Ile Val His Arg Asp Ile Lys Pro Gly Asn Ile Met Arg Val
130 135 140

Ile Gly Glu Asp Gly Gln Ser Val Tyr Lys Leu Thr Asp Phe Gly Ala
 145 150 155 160

Ala Arg Glu Leu Glu Asp Asp Glu Gln Phe Val Ser Leu Tyr Gly Thr
 165 170 175

Glu Glu Tyr Leu His Pro Asp Met Tyr Glu Arg Ala Val Leu Arg Lys
 180 185 190

Asp His Gln Lys Lys Tyr Gly Ala Thr Val Asp Leu Trp Ser Ile Gly
 195 200 205

Val Thr Phe Tyr His Ala Ala Thr Gly Ser Leu Pro Phe Arg Pro Phe
 210 215 220

Glu Gly Pro Arg Arg Asn Lys Glu Val Met Tyr Lys Ile Ile Thr Gly
 225 230 235 240

Lys Pro Ser Gly Ala Ile Ser Gly Val Gln Lys Ala Glu Asn Gly Pro
 245 250 255

Ile Asp Trp Ser Gly Asp Met Pro Val Ser Cys Ser Leu Ser Arg Gly
 260 265 270

Leu Gln Val Leu Leu Thr Pro Val Leu Ala Asn Ile Leu Glu Ala Asp
 275 280 285

Gln Glu Lys Cys Trp Gly Phe Asp Gln Phe Phe Ala Glu Thr Ser Asp
 290 295 300

Ile Leu His Arg Met Val Ile His Val Phe Ser Leu Gln Gln Met Thr
 305 310 315 320

Ala His Lys Ile Tyr Ile His Ser Tyr Asn Thr Ala Thr Ile Phe His
 325 330 335

Glu Leu Val Tyr Lys Gln Thr Lys Ile Ile Ser Ser Asn Gln Glu Leu
 340 345 350

Ile Tyr Glu Gly Arg Arg Leu Val Leu Glu Pro Gly Arg Leu Ala Gln
 355 360 365

His Phe Pro Lys Thr Thr Glu Glu Asn Pro Ile Phe Val Val Ser Arg
 370 375 380

Glu Pro Leu Asn Thr Ile Gly Leu Ile Tyr Glu Lys Ile Ser Leu Pro
 385 390 395 400

Lys Val His Pro Arg Tyr Asp Leu Asp Gly Asp Ala Ser Met Ala Lys
 405 410 415

Ala Ile Thr Gly Val Val Cys Tyr Ala Cys Arg Ile Ala Ser Thr Leu
 420 425 430

Leu Leu Tyr Gln Glu Leu Met Arg Lys Gly Ile Arg Trp Leu Ile Glu
 435 440 445

Leu Ile Lys Asp Asp Tyr Asn Glu Thr Val His Lys Lys Thr Glu Val
 450 455 460

Val Ile Thr Leu Asp Phe Cys Ile Arg Asn Ile Glu Lys Thr Val Lys
 465 470 475 480

Val Tyr Glu Lys Leu Met Lys Ile Asn Leu Glu Ala Ala Glu Leu Gly
 485 490 495

Glu Ile Ser Asp Ile His Thr Lys Leu Leu Arg Leu Ser Ser Ser Gln
 500 505 510

Gly Thr Ile Glu Thr Ser Leu Gln Asp Ile Asp Ser Arg Leu Ser Pro
 515 520 525

Gly Gly Ser Leu Ala Asp Ala Trp Ala His Gln Glu Gly Thr His Pro
 530 535 540

Lys Asp Arg Asn Val Glu Lys Leu Gln Val Leu Leu Asn Cys Met Thr
 545 550 555 560

Glu Ile Tyr Tyr Gln Phe Lys Lys Asp Lys Ala Glu Arg Arg Leu Ala
 565 570 575

Tyr Asn Glu Glu Gln Ile His Lys Phe Asp Lys Gln Lys Leu Tyr Tyr
 580 585 590

His Ala Thr Lys Ala Met Thr His Phe Thr Asp Glu Cys Val Lys Lys
 595 600 605

Tyr Glu Ala Phe Leu Asn Lys Ser Glu Glu Trp Ile Arg Lys Met Leu
 610 615 620

His Leu Arg Lys Gln Leu Leu Ser Leu Thr Asn Gln Cys Phe Asp Ile
 625 630 635 640

Glu Glu Glu Val Ser Lys Tyr Gln Glu Tyr Thr Asn Glu Leu Gln Glu
 645 650 655

Thr Leu Pro Gln Lys Met Phe Thr Ala Ser Ser Gly Ile Lys His Thr
 660 665 670

Met Thr Pro Ile Tyr Pro Ser Ser Asn Thr Leu Val Glu Met Thr Leu
 675 680 685

Gly Met Lys Lys Leu Lys Glu Glu Met Glu Gly Val Val Lys Glu Leu
 690 695 700

Ala Glu Asn Asn His Ile Leu Glu Arg Phe Gly Ser Leu Thr Met Asp
 705 710 715 720

Gly Gly Leu Arg Asn Val Asp Cys Leu
 725

<210> 3
 <211> 19
 <212> RNA
 <213> artificial

<220>
 <223> oligonucleotide siTBK-1 sense

<400> 3
 ggagacaaca acaagacau

19

<210> 4
 <211> 20
 <212> RNA
 <213> artificial

<220>
 <223> oligonucleotide siTBK-1 antisense

<400> 4

augucuuguu guugucuccc 20

<210> 5
<211> 23
<212> DNA
<213> artificial

<220>
<223> oligonucleotide TBK-1 sense

<400> 5
ttgaagagga gacaacaaca aga 23

<210> 6
<211> 19
<212> DNA
<213> artificial

<220>
<223> oligonucleotide TBK-1 antisense

<400> 6
cattccaccc accacatct 19

<210> 7
<211> 20
<212> DNA
<213> artificial

<220>
<223> oligonucleotide VEGF sense

<400> 7
cttgccttgc tgctctacct 20

<210> 8
<211> 20
<212> DNA
<213> artificial

<220>
<223> oligonucleotide VEGF antisense

<400> 8
gattctgccc tcctccttct 20

<210> 9
<211> 20
<212> DNA
<213> artificial

<220>

<223> oligonucleotide Rantes sense

<400> 9

cgctgtcatc ctcattgcta

20

<210> 10

<211> 20

<212> DNA

<213> artificial

<220>

<223> oligonucleotide Rantes antisense

<400> 10

gcacttgcca ctggtgtaga

20